

**Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services**

STATEMENT OF BASIS

**DCP Midstream Operating LP
Ada #1 Compressor Station
Dubberly, Webster Parish, Louisiana
Agency Interest Number: 33408
Activity Number: PER20080001
Proposed Permit Number: 3080-00024-V6**

I. APPLICANT

Company:

Ada #1 Compressor Station
370 17th St Ste 2500
Denver, Colorado 80202

Facility:

DCP Midstream Operating LP
4 Mi SE of
Dubberly, Webster Parish, Louisiana
Approximate UTM coordinates are 482.41 kilometers East and 3595.72 kilometers North, Zone 15.

II. FACILITY AND CURRENT PERMIT STATUS

Ada #1 Compressor Station receives low and high pressure field gas, removes the liquids from the stream and increases pressure for pipeline transmission. The field gas arrives at the plant and is routed through inlet separators. The liquids from the separators are piped to a gas barrel separator where the oil and water divide. The oil and water streams from the separator are sent to storage tanks. Liquids from these storage tanks are periodically removed from the site via tank trucks.

The gas from the separator is routed to the three (3) internal combustion engines to increase the pressure of the stream. The gas is then routed to a glycol dehydrator system which removes entrained water from the system. Finally the gas system is routed offsite via pipeline for further processing downstream. Flash tank offgas from the dehydrators is used

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DCP Midstream Operating L.P.-Ada #1 Compressor Station is a designated Part 70 source.

Permit No.	Unit or Source	Date Issued
3080-00024-V5	Entire Facility	11/15/2006

*The facility submitted timely renewal application.

III. PROPOSED PROJECT/PERMIT INFORMATION

Application

A permit application was submitted on February 6, 2008 requesting a renewal/modification. Additional information dated April 16, 2008 and April 24, 2008 was also received.

Proposed Permit

Permit 3080-00024-V6 will be the Part 70 operating permit renewal of Part 70 operating permit 3080-00024-V5 for DCP Midstream Operating L.P., Ada #1 Compressor Station.

Permitted Air Emissions

DCP Midstream Operating L.P. proposes to modify the Ada #1 Compressor Station as follows:

- Update emissions estimates of the three dehydrator still vents (B1-1-87, B2-1-87 and B4-1-87) that are routed to the drip tank (DDT-0):
- Correct minor emission rate on the gunbarrel separator flash (FL-1):
- Correct source name on two of the dehydrator still vents (B2-1-88 and B4-1-89): and update the Compliance Assurance Monitoring (CAM) plan for the facility.

The changes in emissions are shown below in tons per year:

Pollutant	Before	After	Change
PM ₁₀	1.54	1.55	+0.01
SO ₂	0.06	0.07	+0.01
NO _x	173.49	173.49	0.00
CO	185.22	185.22	0.00
VOC	83.54	72.71	-10.83

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VOC LAC 33:III. Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Change
Benzene	6.70
Ethylbenzene	0.04
Formaldehyde	4.03
Toluene	0.48
n-Hexane	1.55
Xylene	0.08
Total	12.88

IV REGULATORY ANALYSIS

For the applicability and exemptions of selected item at the facility, refer to Section X- Applicable Louisiana and Federal Air Quality Requirements, and Section Xi – Explanation for Exemption Status or Non-Applicability of a Source, of the proposed permit.

Applicability and Exemptions of Selected Subject Items

The applicability of the appropriate regulations is straightforward and provided in the Facility Specific Requirements Section of the draft permit, or Table 2 of the Air Permit Briefing Sheet. Similarly, the monitoring, Reporting, and Recordkeeping necessary to demonstrate compliance with the applicable terms, conditions and standards are provided in the Facility Specific Requirements Section of the draft permit, or explained in Table 2 of the Air Permit Briefing Sheet.

Prevention of Significant Deterioration/Nonattainment Review

This permit is a renewal/modification and there are no significant emission increases. Therefore, PSD and Non-attainment New Source Review does not apply.

Streamlined Equipment Leak Monitoring Program

None

MACT Requirements

None

Air Quality Analysis

None

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General Condition XVII Activities

The facility will comply with the applicable General Condition XVII Activities emissions as required by the operating permit rule. However, General Condition XVII Activities are not subject to testing, monitoring, reporting or recordkeeping requirements. For a list of approved General Condition XVII Activities, refer to the Section VIII – General Condition XVII Activities of the proposed permit.

Insignificant Activities

All Insignificant Activities are authorized under LAC 33:III.501.B.5. For a list of approved Insignificant Activities, refer to the Section IX – Insignificant Activities of the proposed permit.

V. PERMIT SHIELD

None

VI. PERIODIC MONITORING

None

VII. GLOSSARY

Carbon Monoxide (CO) – A colorless, odorless gas, which is an oxide of carbon.

Maximum Achievable Control Technology (MACT) – The maximum degree of reduction in emissions of each air pollutant subject to LAC 33:III.Chapter 51 (including a prohibition on such emissions, where achievable) that the administrative authority, upon review of submitted MACT compliance plans and other relevant information and taking into consideration the cost of achieving such emission reduction, as well as any non-air-quality health and environmental impacts and energy requirements, determines is achievable through application of measures, processes, methods, systems, or techniques.

Hydrogen Sulfide (H₂S) – A colorless inflammable gas having the characteristic odor of rotten eggs, and found in many mineral springs. It is produced by the reaction of acids on metallic sulfides, and is an important chemical reagent.

New Source Review (NSR) – A preconstruction review and permitting program applicable to new or modified major stationary sources of air pollutants regulated under the Clean Air Act (CAA). NSR is required by Parts C (“Prevention of Significant Deterioration of Air Quality”) and D (“Nonattainment New Source Review”).

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Nitrogen Oxides (NO_x) – Compounds whose molecules consist of nitrogen and oxygen

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Nitrogen Oxides (NO_x) – Compounds whose molecules consist of nitrogen and oxygen.

Organic Compound – Any compound of carbon and another element. Examples: Methane (CH_4), Ethane (C_2H_6), Carbon Disulfide (CS_2)

Part 70 Operating Permit – Also referred to as a Title V permit, required for major sources as defined in 40 CFR 70 and LAC 33:III.507. Major sources include, but are not limited to, sources which have the potential to emit: ≥ 10 tons per year of any toxic air pollutant; ≥ 25 tons of total toxic air pollutants; and ≥ 100 tons per year of regulated pollutants (unless regulated solely under 112(r) of the Clean Air Act) (25 tons per year for sources in non-attainment parishes).

PM_{10} – Particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers as measured by the method in Title 40, Code of Federal Regulations, Part 50, Appendix J.

Potential to Emit (PTE) – The maximum capacity of a stationary source to emit any air pollutant under its physical and operational design.

Prevention of Significant Deterioration (PSD) – A New Source Review permitting program for major sources in geographic areas that meet the National Ambient Air Quality Standards (NAAQS) at 40 CFR Part 50. PSD requirements are designed to ensure that the air quality in attainment areas will not degrade.

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Sulfur Dioxide (SO_2) – An oxide of sulfur.

Sulfuric Acid (H_2SO_4) – A highly corrosive, dense oily liquid. It is a regulated toxic air pollutant under LAC 33:III.Chapter 51.

Title V Permit – See Part 70 Operating Permit.

Volatile Organic Compound (VOC) – Any organic compound, which participates in atmospheric photochemical reactions; that is, any organic compound other than those, which the administrator of the U.S. Environmental Protection Agency designates as having negligible photochemical reactivity.